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1. A method for accelerating execution of a program used by an entity, the entity having an authority making decisions for the entity, comprising the steps of:

5 communicating at least one program function to a library in data communication with the program;

transmitting the function to a computing facility;

processing the function at the computing facility;

transmitting results associated with processing the function from the computing facility to the entity; and

translating the results to a language compatible with the program.

2. A method of claim 1, wherein the step of processing the function comprises using a computer cluster.

3. A method of claim 1, wherein the function comprises data.

4. A method of claim 1, further comprising transmitting data to the function.

15 5. A method of claim 1, further comprising the step of accessing a 900 number to pay for the cost.

6. A method of claim 1, wherein the step of calculating cost comprises estimating a number of instructions per second associated with processing the function.

20 7. A method of claim 6, wherein the step of calculating cost further comprises estimating a number of seconds of cluster processing used to process the function.

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8. A method of claim 1, wherein the step of calculating cost comprises estimating a number of instructions associated with processing the function.

9. A method of claim 1, wherein the step of estimating instructions comprises estimating MIPS.

5 10. A method of claim 1, wherein the computing facility comprises a cluster of computers.

11. A method of claim 1, wherein the steps of transmitting comprise transmitting through the Internet.

12. A method of claim 1, further comprising the steps of calculating a cost for executing and processing the function; informing the authority of the cost; and receiving permission from the authority to process the function.

13. A method of claim 12, further comprising the step of billing the cost to the authority on a per-transaction basis.

14. A method of claim 12, further comprising the step of paying the cost through electronic funds transfer.

15. A method of claim 12, further comprising the step of paying the cost through a prepaid account.

16. A method of claim 1, further comprising the step of paying the cost through a credit card e-commerce transaction.

20 17. A method of claim 12, further comprising the step of billing the authority for the cost at a predetermined interval.

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18. A method of claim 1, wherein the step of processing comprises processing through a cluster of computers, and further comprising the step of producing parallel data rates through a Home Node.

5 19. A method of claim 1, further comprising clicking on an icon, displayed on a computer at the entity, to initiate accelerated execution of the program.

20. A method of claim 1, further comprising utilizing a DLL with the entity to facilitate accelerated execution of the program.

21. A network for accelerating execution of a program used by an entity, comprising:

a computer connected to the Internet;

a library, associated with the computer, accepting requests to accelerate processing of at least one function of the program;

a distributed cluster connected to the computer through the Internet; and

15 an ISP having protocol software to engage nodes connected to the ISP to process the function and return result to the computer.

22. A network of claim 21, wherein the nodes comprise a cluster for accelerating processing of the function.

23. A network of claim 22, wherein the cluster comprises a heterogeneous cluster.

20 24. A network of claim 22, wherein the cluster comprises at least six computers connected by a network.

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25. A network of claim 21, wherein the cluster accepts the function through the Internet.

26. An ISP, comprising:

a plurality of users connected in cluster to distribute processing functions among the cluster; and

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software to facilitate distributed processing of a function among the cluster.

27. An ISP according to claim 20, further comprising software facilitating an external payment transaction between an entity desiring accelerated processing of the function and the ISP.

28. A cluster for accelerated parallel processing of one or more programs, comprising:

a heterogeneous array of computers networked together through at least one switch, each computer having a processing speed; and

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a plurality of the array of computers arranged for processing part of the program through threads of common speed, the common speed being less than the processing speed and being defined by the speed of the switch.

20 29. A cluster of claim 28, further comprising a Home Node for maintaining parallelization through the array of computers.

30. A cluster of claim 28, further comprising a controller for dynamically adjusting thread speed through the array of computers .

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31 A cluster of claim 28, wherein each computer of the array comprises a unique TCP/IP address addressable through the switch.

32. A cluster of claim 28, further comprising a Home Node for reallocating threads
5 among the array of computers upon a failure of one or more computers.

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